

L22 ANSWER 3 OF 3 USPATFULL on STN

ACCESSION NUMBER: 1999:36697 USPATFULL

TITLE: Methods for inducing phase separation of epithelial lipid bilayers

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for enhancing penetration of a therapeutic or prophylactic agent in a host in need of the topical administration thereof which comprises applying to the epithelium of the host, an effective amount of

one or more penetration enhancing epithelial sterols and the therapeutic or prophylactic agent.

CLM What is claimed is:

1. A method for enhancing permeation of a **topically** administered therapeutic or prophylactic agent in a host in need of the cutaneous or transdermal administration of a therapeutic or . . . inhibitor selected from the group consisting of cholesterol, cholesterol oleate, cholesterol laurate, cholesterol myristate, cholesterol palmitate, cholesterol stearate, cholesterol arachidate, **cholesterol sulfate**, epicholesterol, cholesterol phosphate, squalene, 7-**dehydrocholesterol**, lanosterol, desmosterol, and zymolsterol, in a penetration enhancing amount within the range of from about 0.01 to about 25 weight. . .